

FOLIO

Implications of Second Language Acquisition Theory for Teaching Put Forward at CITL Session

Students in any Faculty face difficulties of one kind or another in mastering the subject matter—even when it is taught in their mother tongue. Students trying to master a subject taught in a language that is foreign to them, face not only those usual difficulties, but a number of others as well. Helping students learn, and professors instruct, in these circumstances was Stephen Carey's subject at the last of this term's CITL sessions.

Our awareness of some of the principles gained from the study of immersion and other second language acquisition procedures can facilitate professors' effectiveness as instructors, said McCalla Professor Carey, of the Faculté Saint-Jean, whose undergraduate students are studying in French, and whose graduate students, studying in English in the Faculty of Education, hail from Quebec, France, India, China, Senegal and Tanzania. Cultural shock and a graduate program work load, combined with reduced ability to communicate in a second language, lead to disorientation in some international students, he said. Professors can minimize this possibility by providing a supportive environment which encourages these students to develop their communicative competence through course interaction in a non-threatening or low anxiety environment. In this regard, Dr. Carey praised the Office of International Student Affairs and the International Student Centre as well as other counsellors and researchers studying culture shock and its relation to limited communicative competence in a second language.

In interviewing faculty members from Agriculture, Engineering, Food Science, Computing Science and Forestry, Dr. Carey found professors very

responsive to the idea of improving their ability to help these students: it is widely recognized that international students are among the most talented and rewarding to work with, and they comprise a substantial potential for further international development. Dr. Carey commented that faculty who have travelled widely are often more attuned to the special needs of these students and can appreciate the humbling experience of having one's cultural and socio-linguistic support system removed.

The university environment provides a total cultural and linguistic immersion experience, and this can produce, in a very short time, remarkable improvement in students' second language communicative competence. Dr. Carey traced this to the high motivation of students, coupled with the highly meaningful nature of the communication. However, for students who are less confident and outgoing, the threat of being socially embarrassed can cause anxiety which blocks their ability to communicate, and this

further erodes their self-confidence.

Dr. Carey reviewed a number of second language acquisition theories which stress the importance of comprehensible input, meaningful dialogue, low anxiety and positive self-concept. The real challenge in this area, he said, is to develop a language acquisition situation such that a second language can be mastered in the process of mastering content: course work provides highly meaningful and

Continued on page two

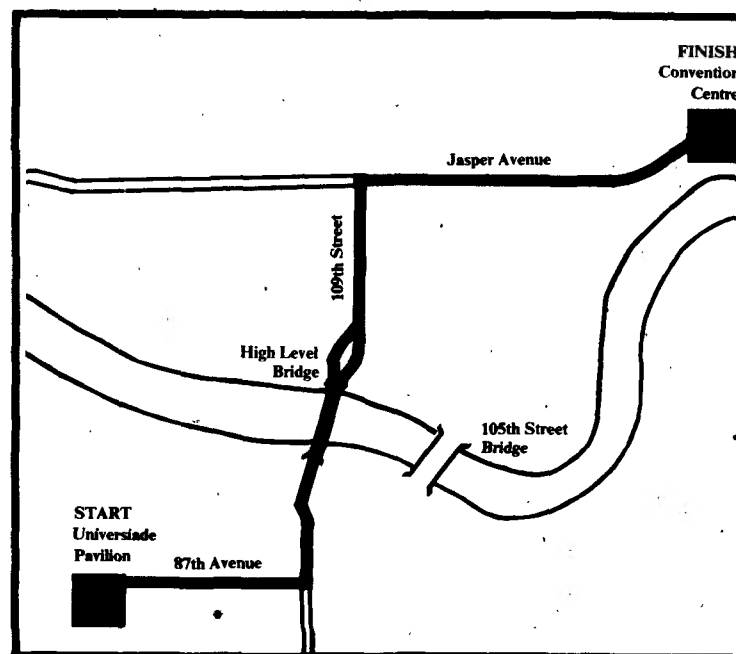
Fonyo Fund Raising Campaign Gets \$500 Boost

"This One's For Steve" is off to a healthy start, Students' Union President Floyd Hodgins having handed over a donation of \$500. The money, drawn from the Eugene Brody Board Fund, is earmarked for cancer research.

The campaign drive goal of \$27,000 can be achieved if each member of the University community contributes at least \$1. The Fund Raising Campaign has moved into high gear with an office-by-office canvass conducted by students from the Kappa Sigma Fraternity.

The funds collected will be presented to Steve Fonyo by President Horowitz at 10:30 a.m. on Saturday, 13 April, at a huge rally to take place at Varsity Stadium prior to the mass run from the University to the Convention Centre.

People wishing to run with Mr. Fonyo may purchase identification bibs bearing the message "I Ran With Steve Fonyo", from the Equipment Room in the Physical Education Complex. □



Come Saturday morning, Steve Fonyo and friends will negotiate this 3.5 km route.

challenging material which will motivate the student far more than traditional ESL exercises. It is interesting to note that some international students who learned the second language through traditional, rule-governed reading and writing methods need to develop their oral competence. This is the reverse of students who developed oral communicative competence in acquiring their second language, but who now need to de-

velop formal reading and writing skills.

As the international stature of our University increases, Dr. Carey concluded, an understanding of immersion teaching methodology will become increasingly necessary and faculty members will discover how enriching it can be to work with these bilingual students from diverse cultural backgrounds. □

Selection Committees For Department Chairmen

The GFC Nominating Committee is seeking nominations for one faculty member, not a member of the departments concerned, to serve on Selection Committees for Chairmen of the following Departments. The elections will take place at the May meeting of General Faculties Council.

*Department of Medicine
Department of Surgery
Department of Pathology*

Would those who have suggestions for nominations for any of the above selection committees, or who are interested in serving themselves, please contact Mrs. Plaskitt, 2-5 University Hall, 432-4715, no later than 6 May 1985. It would be appreciated if a brief vita could accompany any nomination.

Nursing to Host Research Day on 16 April

The second Margaret Scott Wright Research Day will feature current research studies of faculty members, clinical associates, and graduate students. The program, sponsored by the Faculty of Nursing, is named in honor of Margaret Scott Wright, Professor of Nursing at the University of Calgary.

The Research Day will take place on 16 April in Bernard Snell Hall, Mackenzie Health Sciences Centre. Dean Jannetta MacPhail will welcome registrants at 9:30 a.m. (registration begins at 9 a.m.) and at 9:35 a.m. session 1, moderated by Janet Kerr, will begin with "The Meaning of Visual Impairment to Visually Impaired Adults" by Marion Allen. The next item, "The Effectiveness of Patient Education to Follow-up by Telephone on Knowledge of Post Myocardial Infarction Patients," will be addressed by Barbara Stevens.

Louise Davies will moderate session II which will begin at 10:55 a.m. with a talk by Phyllis Giovannetti on "Analysis and Testing Instruments for Measuring the Quality of Nursing Care." Sharon Toohey will then give a presentation on "Patient-Nurse Interactions in Emergency Department." At 11:45, "The Effect of an 'Ours'

Baby on a Remarried Family" will be discussed by Victoria Strang.

The afternoon sessions will include addresses on "The History of Nursing in Demarais" by Wendy Neander; "Traditional Cree Medicine: An Interim Report on the Psoriasis Project" by Janice Morse; "Breast Feeding Mothers: A Criteria for Success" by Margaret Harrison; and "A Measure of the Significance of Health-Related Terminology on the Readability Levels of Health Education Pamphlets" by Jane Hopkinson. Moderators for the afternoon sessions will be Rhea Arcand and Dean MacPhail.

Margaret Scott Wright will present the Day's closing remarks at 3:20 p.m.

Dr. Wright is internationally known for her work in nursing research and her expertise in nursing has been recognized in such countries as Great Britain, the United States, Nigeria, Finland, Poland and Germany. She has held a variety of administrative appointments, including Director and Professor of Nursing Studies, University of Edinburgh; Director and Professor, School of Nursing, Dalhousie University; and Dean and Professor, Faculty of Nursing, University of Calgary. □

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Invitational Curriculum Symposium in Readiness

A symposium entitled "Understanding Curriculum as Lived" will be at the forefront of the Invitational Curriculum Symposium being hosted by Ted T. Aoki and the Department of Secondary Education. The Symposium, which is the seventh annual event sponsored by the Canadian Association of Curriculum Studies, will be held 25, 26 and 27 April in 116 Education South.

Featured will be six curriculum researchers from across Canada whose studies reflect attempts to portray school curriculum as lived experience. In their studies these Canadian scholars have employed research approaches that include autobiography, ethnography and critical hermeneutics. Included in the Sym-

posium are presentations by T. Craig of our University, "Towards an Understanding of the Life-World of First Year Teachers"; Jonathan Young (OISE), "Ethnic Identification and School Practice"; Harold Pearce (Nova Scotia College of Art and Design), "Becoming a Teacher and Being a Student Teacher"; Patricia Rowell (UBC) "The Quality of Social Interaction in Curriculum Planning"; Bryan Connors (Edmonton Public School Board), "Inservice: a research"; and T. Carson of our University, "Curriculum Implementation: Change as Empowerment or Change as Control?"

A number of curriculum specialists will serve as discussants, namely, Danielle Raymond, University of Sher-

brooke, Al Ryan from the University of Saskatchewan, Richard Butt, University of Lethbridge, Ralph Savey, Alberta Education, John Acheson, Edmonton Catholic School Board, Antoinette Oberg, University of Victoria, and LeRoy Daniels, Donald Wilson and Walter Werner from the University of British Columbia. William Pinar, University of Rochester, will give the keynote address: "Time, Place and Self: Curriculum Theory and Historical Moment."

The Symposium is supported by SSHRC, the Faculty of Education, the Canadian Association of Curriculum Studies, and the Department of Secondary Education. □

Scandinavian Section of Germanic Languages Department Unique in Canada

A heretofore relatively well kept secret is the fact that this University is the only university in the country that offers a BA program in Scandinavian Language and Literature. It is a thriving program too, as witness the increase from 14 students in three courses in 1970 to 55 students in 5 courses in 1984-85.

Christopher Hale, the resident "Scandinavianist," says the program averages 55 to 70 students a year, a great many of whom have Norwegian backgrounds. While these students continue to account for some two-thirds of the total enrolment, some of the most successful students in the program have come from non-Scandinavian backgrounds, Dr. Hale says.

The grammar of modern Scandinavia is not as complex as, say, French or German, and is not terribly difficult for an English speaker to learn, Dr. Hale says. "The language is certainly easier than Arabic or French. After a couple of years of study, a student should be able to carry out an ordinary conversation."

In the program that Dr. Hale and his assistant, Marianne Lindvall-Morse, conduct, the third year's lectures and assignments are carried out entirely in Norwegian.

In addition to first, second and third-year Norwegian, Dr. Hale and Mrs. Lindvall-Morse teach Old Norse Sagas and Mythology in English translation, modern Danish literature,

with the accent on the writings of Ibsen and Strindberg, a history of Scandinavian languages, and 18th and 19th century Scandinavian literature in the original and 20th century Scandinavian literature in translation.

From 1973, it has been possible to major in Scandinavian. To receive a BA in Scandinavian, students must complete seven courses.

When the program started in 1964, Norwegian was chosen as the language of record because of its intermediate position. If you know Norwegian, Professor Hale says, you can pick up Swedish and Danish fairly easily.

The program is fortunate in that it receives gifts of books for its library from the Norwegian and Swedish Embassies. The Foreign Ministry in Oslo is very interested in the program and forwards papers and materials from time to time.

A number of distinguished visitors and guest lecturers from the Scandinavian countries have visited the classrooms and offices in the Arts Building.

Apart from the Scandinavian courses offered, the University has a number of Nordic-oriented activities for students, staff and guests. The University's Scandinavian Club sponsors informal coffee hours, information meetings, ski outings, etc. The reading area in the department is well-stocked with current magazines and newspapers, courtesy of the Nor-

wegian Foreign Ministry, while Ruth-erford Library contains about 2,500 volumes of Scandinavian literature, both classical and modern, as well as language materials.

Another aspect of Professor Hale's work is to "spread the Scandinavian word" both inside and outside the University. He is a contributor of arti-

cles to journals and magazines, has given many public talks on a wide range of Scandinavian topics and is active within Alberta's Scandinavian community.

Professor Hale is the founding president of the Association for the Advancement of Scandinavian Studies in Canada, which was formed in 1982. □

Geotextile and Geomembrane Reference Book a Boon to Practicing Engineers

The ball has been stroked deftly into the Canadian Geotechnical Society's court. Elizabeth Richards, Clothing and Textiles, and J.D. Scott, AOSTRA Professor, Civil Engineering, have recently published *Geotextile and Geomembrane International Information Source* in cooperation with the Society. That body will now look after the selling and distribution of the 506-page text, the first major work in the field to be done from a bibliographic point of view.

In presenting a copy to Vera Kunda, Coordinator of Reference Services, Science and Technology Library, Professors Richards and Scott spoke

in a laudatory manner of the assistance provided by Mrs. Kunda and her associates in the Library and by SPIRES staff and the numerous researchers who submitted information.

Some 2 1/2 years were spent producing a reference work which allow the reader to use a key word, for example, "dams", to find out which publications contain the information he is seeking. There is also a listing of more than 300 different materials manufactured throughout the world and their physical properties. It was, said Professor Richards, a project that "started out small and got big." A fortuitous occurrence for engineers. □

Nominations for Vice-President (Administration)

Nominations for the position of Vice-President (Administration) or indications of interest in the position should be made by writing to President Horowitz, Chairman of the Search Committee, 3-1 University Hall. Written applications or nominations from individuals both within and outside the University of Alberta will be received until 19 April 1985. Applications should be accompanied by a curriculum vitae and the names of three referees.



J.D. Scott and Elizabeth Richards (centre) stopped by Cameron Library recently to present a copy of their text to Vera Kunda. The retail value of the book is \$65.

Enrolment Changes Since 1982-83 Chronicled by IRP

The 22 March 1984 issue of *Folio* contained an article outlining the changes in enrolment from 1981-82 to 1983-84. Those data were provided in response to the concern about recent, substantial increases in enrolment. The complex factors affecting enrolment, particularly the state of the economy and the introduction of Grade 12 diploma examinations, have continued to make this an area of considerable interest. The accompanying tables update last year's article with information relevant to 1984-85 enrolments and registrations.

Four tables are presented here covering the three-year period from 1982-83 to 1984-85. *Table 1* shows undergraduate enrolments in each Faculty along with percentage changes from year to year. Graduate enrolments by Faculty of specialization are listed in *Table 2*. Weekly Student Hours (WSH) are shown in *Table 3*. (For each course section, WSH = section enrolment multiplied by number of weekly hours of scheduled class time.) *Table 4*, which is new this year, provides data on course registrations. The enrolments are the official figures for 1 December each year, and the WSH are for First Term and full-year courses as of 1 December.

The University has again surpassed previous enrolment records. Total full-time undergraduate enrolment was nearly 21,000 on 1 December 1984, the highest in the University's history. However, the rate of increase has slowed substantially. Undergraduate enrolment rose 2.6 percent this year compared with a 9.1 percent increase in 1983-84. The largest percentage increases were in the Faculties of Agriculture and Forestry, Arts, Engineering, and Rehabilitation Medicine. No Faculty experienced an increase of more than 7.9 percent or a decrease greater than 2.3 percent. The large growth which occurred in Home Economics and Science in the previous year had all but disappeared in 1984-85.

Total full-time graduate enrolment also reached a new high in 1984-85. Graduate enrolment showed a 7.1 percent increase this year, while the 1983-84 increase was 6.6 percent. The range of percentage increases and decreases in graduate enrolment was much larger than in undergraduate enrolment. Seven Faculties had increases exceeding 10 percent. Home Economics experienced a 76 percent increase (19 students), while Physical Education and Recreation and Pharmacy and Pharmaceutical Sciences also had large increases. Library Science was the only Faculty to show any significant decrease in number of graduate students enrolled.

Weekly Student Hours (WSH) represent one aspect of teaching load. Because a high percentage of students enrolled in one Faculty take courses in other Faculties, changes in WSH for each Faculty do not correspond perfectly with changes in undergraduate enrolment. New programs and course requirements can alter the WSH distribution. The WSH numbers also include WSH for graduate courses. The WSH reached a new high in 1984-85, but increased by only 0.4 percent. Agriculture and Forestry showed the largest gain for the second year in a row, having increases over 12 percent in both years. No other Faculty increased more than 4.8 percent in 1984-85 or more than 12 percent over the two years. Eight Faculties experienced decreases in WSH, with both Library Science and Pharmacy and Pharmaceutical Sciences showing reductions of more than 6 percent.

Course registrations increased, but the total gain was less than 1.0 percent. Agriculture and Forestry and Rehabilitation Medicine experienced increases of more than 28 percent during the two-year period. No other Faculty experienced major growth in 1984-85. Home Economics and Science, which had shown large

*Table 1: Full-time Intramural Winter Session Undergraduate Students
(1 December)*

Faculty	1982/83	1983/84	1984/85	% change 82/83 to 83/84	% change 83/84 to 84/85
Agriculture and Forestry	618	710	766	14.9	7.9
Arts	3,490	4,035	4,349*	15.6	7.8
Business	1,622	1,560	1,603	(3.8)	2.8
Dentistry†					
— Dental Hygiene	82	70	75	(14.6)	7.1
— Post-graduate Diploma	4	3	4	(25.0)	33.3
— DDS	196	193	191	(1.5)	(1.0)
Education	3,245	3,448	3,371	6.3	(2.2)
Engineering†	1,924	2,020	2,135*	5.0	5.7
Home Economics	319	387	388	21.3	0.3
Law†	512	515	503	0.6	(2.3)
Library Science	2	—	—	—	—
Medicine†					
— Medical Laboratory Science	92	92	95	0	3.3
— All Other	849	857*	848	0.9	(1.1)
Nursing†	465	502	522*	8.0	4.0
Pharmacy and Pharmaceutical Sciences†	352	342	344	(2.8)	0.6
Physical Education and Recreation	580	678	711	16.9	4.9
Rehabilitation Medicine†	344	356	384*	3.5	7.9
Saint-Jean	286*	282	284	(1.4)	0.7
Science	3,728	4,354	4,364*	16.8	0.2
Total Undergraduate	18,710	20,404	20,937*	9.1	2.6

†denotes a Quota Faculty

*indicates highest enrolment ever at the University of Alberta

increases in the previous year, had small decreases this year as did Law, Library Science, Nursing, Pharmacy and Pharmaceutical Sciences, and Physical Education and Recreation.

A separate comment is warranted on Science, Arts and Education which have the largest undergraduate enrolments and which are all non-quota Faculties. Arts continued to show an increase in undergraduate enrolments, whereas Sci-

ence has stabilized and Education had a slight decrease. However, Education and Arts both showed small increases this year in WSH (3.8 and 2.1 percent) and Science had a small decrease (3.3 percent); these trends were paralleled by the numbers of course registrations. All three Faculties showed increases in graduate enrolment, with Education having by far the largest increase of 9.7 percent compared with about 2-3 percent for Arts and Science. □

Table 2: Full-time Intramural Winter Session Graduate Students (1 December)

Faculty	1982/83	1983/84	1984/85	% change 82/83 to 83/84	% change 83/84 to 84/85
Agriculture and Forestry	161	194	222*	20.5	14.4
Arts†	409	405	416	(1.0)	2.7
Business	119	145	148*	21.8	2.1
Dentistry	5	8*	7	60.0	(12.5)
Education	458	423	464*	(7.6)	9.7
Engineering	252	297	312*	17.9	5.1
Home Economics	27	25	44*	(7.4)	76.0
Interdisciplinary Studies	7	—	—	—	—
Law	13*	8	10	(38.5)	25.0
Library Science	68*	67	59	(1.5)	(11.9)
Medicine	137	157	176*	14.6	12.1
Nursing	16	18	22*	12.5	22.2
Pharmacy and Pharmaceutical Sciences	22	28	37*	27.3	32.1
Physical Education and Recreation	73	67	95*	(8.2)	41.8
Rehabilitation Medicine	5	8*	7	60.0	(12.5)
Science§	513	584	594	13.8	1.7
Visiting and Special Students	17	19	15	11.8	(21.1)
Total Graduate	2,302	2,453	2,628*	6.6	7.1

*indicates highest enrolment ever at the University of Alberta

†highest enrolment: 546 in 1970/71

§highest enrolment: 620 in 1971/72

Table 3: Weekly Student Hours by Faculty (1 December)

Faculty	1982/83	1983/84	1984/85	% change 82/83 to 83/84	% change 83/84 to 84/85
Agriculture and Forestry	10,360	11,827	13,344	14.2	12.8
Arts*	94,925	103,725	105,939	9.3	2.1
Business	19,150	19,739	19,690	3.1	(0.2)
Dentistry	9,330	8,739	9,160	(6.3)	4.8
Education	42,033	44,499	46,192	5.9	3.8
Engineering	30,786	32,682	32,741	6.2	0.2
Home Economics	6,174	7,017	6,748	13.7	(3.8)
Interdisciplinary Studies	27	—	—	—	—
Law	8,410	8,462	8,298	0.6	(1.9)
Library Science	1,290	1,078	1,007	(16.4)	(6.6)
Medicine	52,290	53,184	54,201	1.7	1.9
Nursing	6,388	7,017	7,171	9.8	2.2
Pharmacy and Pharmaceutical Sciences	5,721	4,756	4,413	(16.9)	(7.2)
Physical Education and Recreation	13,313	14,313	13,910	7.5	(2.8)
Rehabilitation Medicine	7,464	8,039	8,014	7.7	(0.3)
Saint-Jean	3,810	3,727	3,833	(2.2)	2.8
Science†	115,137	125,823	121,720	9.3	(3.3)
Total University	426,608	454,627	456,381	6.6	0.4

*includes Psychology (Arts)

†includes Psychology (Science)

Table 4: Course Registrations (1 December)

Faculty	1982/83	1983/84	1984/85	% change 82/83 to 83/84	% change 83/84 to 84/85
Agriculture and Forestry	2,310	2,819	3,111	22.0	10.4
Arts*	31,299	31,590	32,259	0.9	2.1
Business	5,848	6,064	6,084	3.7	0.3
Dentistry	3,952	3,952	4,191	0.0	6.0
Education	9,054	9,409	9,655	3.9	2.6
Engineering	7,828	8,494	8,550	8.5	0.7
Home Economics	1,436	1,632	1,549	13.6	(5.1)
Interdisciplinary Studies	9	—	—	—	—
Law	3,479	3,508	3,424	0.8	(2.4)
Library Science	430	324	307	(24.7)	(5.2)
Medicine	5,056	5,509	5,505	9.0	(0.1)
Nursing	1,091	1,098	1,068	0.6	(2.7)
Pharmacy and Pharmaceutical Sciences	1,436	1,177	1,127	(18.0)	(4.2)
Physical Education and Recreation	4,024	4,248	4,141	5.6	(2.5)
Rehabilitation Medicine	1,586	1,700	2,043	7.2	20.2
Saint-Jean	1,073	1,015	1,070	(5.4)	5.4
Science*	22,733	27,539	26,818	21.1	(2.6)
Total University	102,644	110,078	110,902	7.2	0.7

*In 1982/83, Psychology registrations were counted entirely in Arts. In succeeding years, Psychology registrations were split between Arts and Science.

*This article was submitted by E.A. Holdaway and D.M. Quigg, Office of Institutional Research and Planning.

New Look Tennis Centre Scheduled to Open Saturday

Spring has sprung and tennis racquets are being strung. The University of Alberta Tennis Centre is entering its second full season of operation and there will be a few improvements which should make the Centre an even more enjoyable place to play. Dickson Wood, Manager of the Centre, says that Physical Plant will soon complete construction of the patio. Also, a water fountain will be installed and the 'lesson court' will be separated from the others by a netting to prevent the multitude of balls from being distributed around the courts.



Memberships are on sale at the Tennis Centre on Tuesday, Wednesday and Thursday evenings (4 to 7 p.m.). If the weather cooperates, the Centre will officially open on Saturday, 13 April.

Membership fees, says Mr. Wood, will remain unchanged from last season except for a reduction in the cost for families, that is, parents with tennis-playing children. Mr. Wood can be reached at 432-2884; the Tennis Centre number is 438-2901. □

Our Member Visits Us

Jim Edwards, Member of Parliament for Edmonton South, visited our University last month, at the invitation of Gordin Kaplan, and discovered some important things about us.

In a conducted tour, Mr. Edwards was shown the laboratories of the Protein Group; saw the CAD/CAM and microchip design facilities in Electrical Engineering; visited Chem-biomed; and toured the Animal Science labs and Forestry.

The purpose of the visit was to give our Member a view of research and development commitments at the University; to show him some examples of industry, government and university working together in provincial and national research and development; to discuss funding of research and development on campus—with particular reference to major federal granting agencies; and to outline current and future problems and opportunities in



university-based research and development.

To conclude the occasion, Dr. Ka-

plan hosted a luncheon at University House, at which President Horowitz gave the opening remarks. □

Readership Survey Continues

Thanks to everyone who has completed and returned the *Folio* Readership Survey Form which appeared in the issue of 28 March. The response has been excellent. Rest assured that your opinions are of value to us. When the survey has run its course, an analysis will be published in *Folio*. In the meantime, the survey form appears again for the benefit of readers who have not yet participated. Do let us hear from you. □

Education in Asia—A Total Learning Experience

"Development in Asia should be from the point of view of improving the quality of the life of the people—socially, economically, aesthetically, and culturally," said C.L. Sapra, guest lecturer in the Department of Education Administration 11 to 22 March. He gave a lecture entitled "Education and Development in Asia," in which he explained the Indian approach to development through education and economics during the last 30 years.

In 1955, the Indian government had a five-year development plan that called for rapid industrialization, even though it was an agriculturally-based country. "Equity of distribution was ignored, but an infrastructure—heavy industry—and a self-reliant nation developed as a result." Since a large number of technical people were needed to work in the industry, educational development changed to meet these requirements.

Vocationalization—an attempt at middle technology—failed, until agriculture was finally realized (during the Green Revolution) as a valuable commodity.

Recently, the National Institute of Educational Planning and Administration (NIEPA) came up with its Perspective Plan which provides guidelines for development over the next decade: 1) training of educational planners and administrators; 2) research; 3) diffusion of innovations; and 4) consultancy services. Programs will include current issues in education, multi-level planning, human resource development and management of educational finance and non-formal education. Special attention will be given to universalisation of elementary education, removal of adult illiteracy, development of female education and optimum use of available resources.

Education is the focus. "People who are educated become more articulate...they can read the papers and refuse to be exploited anymore. They have a compulsion for literacy, and become conscious of social reality," said Dr. Sapra. However, reaching all levels of society has presented many problems. For instance, enlightened leadership is lacking, local politics become entangled in the issues, resources are scarce, and teachers are

reluctant to teach because they would have to give up their status as civil servants. (This has changed and they now retain civil servant status. Also, there is no effective coordination between governmental departments and voluntary organizations; and training facilities, since they are not institutionalized, are far from adequate. "This is a transitional stage," Dr. Sapra said. "We have had success in some areas, but in others, we have

failed."

Adult education means that participants will learn vocational skills as well as becoming more literate. Extension workers in areas of skilled technology provide some of the training so that demonstrations are not simulated, and the people can see how someone can make a living from their trade.

Dr. Sapra is the Senior Fellow/Professor and Head of the School and Non-Formal Education Unit at NI-

EPA in New Delhi, India. He has 26 years of teaching experience, and cites his main interest as institutional planning. Seven of his books have been published, and six more are in production.

During his stay, Dr. Sapra met with the President and several department heads, graduate students and faculty members. In addition to giving group and individual consultations, he also presented a number of open lectures. □

Engineering Students the Toast of National Design Competition

The Canadian Engineering Design Competition was held at the University of Waterloo on 23 and 24 March. Two Mechanical Engineering students from our University, Dale Hildebrand and Derek Ritz, claimed second prize in the Entrepreneurial Division. They

also received the Canadian Industrial Innovation Centre Special Award for the Most Promising Innovative Design. For their efforts they received a cash prize and \$500 worth of consulting time from the Canadian Innovation Centre.



The University's coffers are \$3.7 million richer as a result of a cheque presented by Julian Koziak, Minister of Municipal Affairs and MLA for Edmonton-Strathcona, to Peter Meekison, Vice-President (Academic), right. The money was allocated by the provincial government under its 1980's Advanced Education Endowment Fund and represents matching funds from 751 individual gifts given to the University. The University has also received notification that an additional \$1 million will be forthcoming under the government's matching grant scheme. According to Mr. Koziak, the Endowment Fund was established to provide incentive to encourage private support to provincial universities. It has been so successful that the \$80 million Fund is now depleted. In fact, the money has been spent in five years instead of the ten originally planned for, he said.

The students' design is a microcomputer-based, oil and gas production decline analysis program. This computer software is used for establishing recoverable reserves and production profiles for oil and gas producing properties.

The Canadian Engineering Design Competition is open to all undergraduate engineering students in Canada. Its major objective is to provide the students with an opportunity to undertake real problems and effectively exercise practical problem solving and engineering design in a competitive environment. In order to compete on the national level, the competitors must win first or second prize in one of the four regional competitions. The University of Alberta will host the next Western Engineering Design Competition in the spring of 1986. □

Engineering Hooks Up to Satellite

CAD/CAM and its application to engineering education is the subject of a television program which the Faculty of Engineering is offering via satellite. The program will be broadcast on 15 April from noon until 4 p.m. in 2-1 Mechanical Engineering Building.

The program is presented by the American Society for Engineering Education. □

University Orientation Days Attracts a Host of Prospective Students

Thanks to all those involved with University Orientation Days '85 for their support and participation. This successful event was held on 21 and 22 February and included 44 lecture-type presentations, each scheduled an average of twice a day, 40 displays from various department and campus organizations, as well as lab and computer

demonstrations prepared and staffed by individual departments and Faculties.

Approximately 3,800 students advance registered for various sessions and another 500 in-person registered. Everyone worked very hard to make the two days informative and enjoyable for the 4,000 plus prospective stu-

dents who attended.

Advance Registration

Advance Registration for the 1985-86 Winter Session began on 15 March and is now well under way. Faculties are to be commended for their prompt processing of these registration forms.

All reports indicate that numbers of advance registrants will be up this year. To date, the Faculty of Science has distributed 3,300 forms and the Faculty of Arts has distributed over 3,100 forms. Other Faculties have indicated that students are eager to pick up their advance registration materials.*□

* Reprinted from Rumor (the Registrar's Universal Means of Revealing, No. 7, April 1985.

increase in pensions and benefits under the administration category. This obviously includes benefits for non-academics as well as academics. It would be desirable to separate pensions from other benefits. I assume that things like dental plans would be included under benefits, but are there other benefits that would give rise to a 134 percent increase in the administration category but only 54 percent in the faculty category?

One should note that administration costs for 1983-84 were cut considerably, and one should applaud that action. Perhaps this will be the trend for the future.

It might be desirable if someone with more experience with these figures, perhaps from our staff association, could provide a 10-year comparison of increases with a more detailed breakdown.

Jim Hackler,
Professor of Sociology

Research Discount Program Continues for 1985-86

In September 1984, the University set up a special discount program whereby academic staff who had extra funds could use that money for computing at very attractive rates.

The source of funding may be external research funds or University "hard dollars." Amounts eligible must be additional to a base amount, which is the amount of hard dollars spent by your department in 1983-84 for research computing. The purpose of the program is to allow new hard funds to purchase computing at attractive rates.

Accounts funded in this way are offered a special rate schedule called Research Discount. Computing charges for these accounts are 25 percent of the normal internal rates; but costs such as paper, contract programming, and network connection are at 100 percent of the normal inter-

nal rates. (See the Research Discount Rate Schedule D107.0485 for details.)

These rates make use of the MTS system in an attractive way. For example, CPU charges (per minute) are: Commercial Business, \$132; Internal University, \$20; Research Discount, \$5.

To open one of these accounts, apply to Computing Services Registration Clerk, 352 General Services Building. Accompany your completed registration form with a letter from your department stating: that the account will be used for an academic purpose; that the dollars spent will be in addition to the amount spent by the department for research computing in the base year of 1983-84. For further information on this program, contact Olga Kolar, Client Services Manager, at 432-2261.□

Calling All Cantabrigians

The Cambridge Canadian Trust has recently been established to raise an endowment for scholarships to send Canadian students of outstanding ability to Cambridge University.

The Trust is affiliated with the Cambridge Commonwealth Trust under the chairmanship of The Prince of Wales.

The Cambridge Canadian Trust now has a Board of Directors and a charitable number and will concentrate its efforts in Canada to help Canadians. To date, one student is currently attending Cambridge on a scholarship provided by the Canadian Trust. It is the Trust's aim and intention to increase substantially this number in the coming years.

The Cambridge Canadian Trust will undertake a number of projects in the coming months. The first priority, however, is to locate all Cantabrigians living in Canada.

The Canadian Trust will shortly be writing to all known graduates. However, its list of Cantabrigians is incomplete and officials would "like to hear from you as well as you hear from us." To ensure that the Cambridge Canadian Trust has your name, address and postal code correctly, all Cantabrigians in Canada are invited to write: The Cambridge Canadian Trust, c/o Continental Bank of Canada, 130 Adelaide Street West, Toronto, Ontario M5H 3R2.□

Letters

Administration's Piece of Budget Pie Questioned

In his recent letter to Folio, Bob Crawford argued that the percentage of the University budget that goes to administration has not changed to any meaningful degree in the past decade. Although I am not an expert on University finances, the following table comes from the 1983-84 University Data Book.

Percentage Increase from 1979-80 to 1982-83:

	Academic Salaries	Non-Academic Salaries	Pensions & Benefits
Total			
Faculty	42%	54%	54%
Library	47%	51%	88%
Admin.	69%	71%	134%

Naturally these percentage increases are subject to interpretation. My reading of these changes is that academic faculty salaries and library academic salaries have gone up less than administrative salaries. I would assume that the increase in non-academic salaries would include secretaries and support staff. Whether the increases are due to more people or better salaries is not clear. It is also difficult to interpret the 134 percent

people

Peter Savaryn (Chancellor) attended the National Economic Conference in Ottawa on 22 and 23 March at the invitation of the Minister of Finance. The conference addressed major economic issues. On 28 March, the Chancellor and Mrs. Savaryn flew to Japan as the guests of President Kurimoto to give the inaugural address on 1 April to students of the Nagoya University of Commerce and Business Administration. Four days later, the Chancellor spoke at the Koryo International Women's College.

Anisul Islam (Economics) presented the following two papers at the annual meetings of the Missouri Valley Economic Association in Memphis, 7 to 9 March. "Monopoly and Competition in a Typical Real Estate Brokerage Market in Canada: Have Combines Laws Made Any Difference?" (co-author: A. Jenkins); "Some Observations on Alternative Measures of Industrial Concentration." He was also invited to chair a session in the meet-

ings. A partial travel grant to attend the event was provided by the Alma Mater Fund of this University.

Karol Krotki (University Professor/Sociology) attended a regional meeting of the Fellows of the Royal Society of Canada at the University of British Columbia. He was there in his capacity as Vice-President of the Academy of Humanities and Social Sciences. The meeting was a trial venture on account of its regionality and included presentations on the historical atlas of Canada, the evolution of ownership titles, the impact of geography on the linguistic composition of the population and ethnicity of privatization in Malaysia.

J. Don Scott (Civil Engineering) was awarded a Civic Sports Award by the City of Edmonton on 20 March. The award was given for Dr. Scott's winning the Canadian championship in orienteering.

A regional meeting concerned with demographic aspects of immigration was held in Edmonton on 19 March. It was sponsored by the Department of Employment and Immigration and was part of the consultations series initiated by the Minister in relation to future immigration levels. The meeting, under the chairmanship of **L.A. Kosinski** (Geography), was attended by the following faculty members from our University: **P. Krishnan**, **K.J. Krotki**, **W. McVey** and **F. Trovato** (all Sociology), in addition to other academics from Western Canada and representatives of the Department.

Harry Wohlfarth (Extension) has received an invitation from the Hungarian Academy of Sciences to give a post-graduate seminar at the University of Budapest in June. The Academy also asked Professor Wohlfarth to participate in two-week post-graduate seminars in colorpsychodynamics in Budapest every year, starting in 1986.

Einer Boberg (Speech Pathology and Audiology) has received a grant of \$31,850 from the MSI Foundation to conduct an evaluation of the long-term treatment effects in clients who have completed the Comprehensive Stuttering Program.

M.A. Jaworski (Paediatrics and Muttart Diabetes Research Training Centre) was a keynote speaker at the International Symposium on Diabetes Mellitus, in Calgary 28 and 29 March. Dr. Jaworski spoke on the benefits and drawbacks of an immunosuppressant drug, Cyclosporin, in the prevention of diabetes mellitus.

publications

Scott, J.D. (AOSTRA Professor, Civil Engineering) and **Richards, E.A.** (Clothing and Textiles): *Geotextile and Geomembrane Interhational Information Source*. Rexdale, Ontario: The Canadian Geotechnical Society (1984): 506 pp.

Braun, Richard E. (Classics): "Gum," verse narrative. *Poetry NOW* (incorporating the *Cambridge Poetry Magazine*), No. 2 (1984): pp.38-42.

Caldarola, Carlo (Sociology) (ed.): *Religions and Societies: Asia and the Middle East*. Mouton Publishers, Berlin (1982): 688 pp. (paperback edition).

Wohlfarth, H. (Extension): "Farbe und Verhaltensweise". (Color and Behaviour), Farbe and Design, 31/32, (official organ of the German Central Institut for Color Research, Berlin (1984).

service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

Coming Events

Lectures and Seminars

Forest Science

12 April, 1 p.m. **Robert A. Blanchette**, Associate Professor of Forest Pathology, University of Minnesota, "New Look at Wood Decomposition." 4-1 Mechanical Engineering Building.

Zoology

12 April, 3:30 p.m. **G.M. Branch**, University of Cape Town, South Africa, "Seabirds, Limpets and Algae: Interactions and Consequences for Community Dynamics on South African Shores." 345 Earth Sciences Building.

Canadian Institute of Ukrainian Studies

12 April, 7:30 p.m. **Boris Briker**, "Literary Life in Chernivtsi: A Personal Reminiscence" (in Ukrainian). 265 CAB.

Alberta Heritage Foundation for Medical Research

16 April, 11 a.m. **Olaf Runquist**, Department of Chemistry, Hamline University, St. Paul, Minnesota, "Kinetic Analysis of Clearance of Immune Sensitized Red Blood Cells." E3-25 Chemistry Building.

Organizational Analysis

23 April, 2 p.m. **John Van Maanen**, Professor of Behavioral Science and Policy Science, Sloan School of Management, MIT, "Power in the Bottle: Social Relations and Drinking Patterns in Organizations." 4-16 Business Building.

Music

Department of Music

11 April, 8 p.m. Senior Student Recital—**Binaifer Kapadia**, piano. Convocation Hall.

19 April, 8 p.m. Senior Student Recital—**June Hryciw**, piano. Convocation Hall.

Films

Alberta Nurses for Nuclear Disarmament and Physicians for Social Responsibility

16 April, noon. "What About the Russians?"

23 April, noon. "Road to Total War."

30 April, noon. "Notes on Nuclear War."

An educational film series on the nuclear arms race. 2-115 Clinical Sciences Building. Refreshments provided.

Exhibitions

Ring House Gallery

Until 14 April. "Contemporary Japanese Prints." An exhibition of 80 prints produced since 1954 by 40 leading Japanese artists.

Until 21 April. "The Second Link: Viewpoints on Video in the Eighties." An international travelling video art show.

Radio and Television

Radio

CJSR-FM, 88.5, Campus Radio. Eclectic programming, including folk, jazz, new music, rock and U of A news and sports coverage. See *Airtight* magazine for full programming details. Send public service announcements to 224 SUB, 432-5244.

Matters of Faith

Catholic Campus Ministry

St. Joseph's College Mass Time, September to April. Monday, Wednesday, Friday - 7:30 a.m., 12:10 and 4:30 p.m.; Tuesday, Thursday - 7:30 a.m., 12:30 and 4:30 p.m.; Saturday, 4:30 p.m.; Sunday - 9:30 and 11 a.m., 4 and 8 p.m.

Anglican - United Chaplaincy

Bible Study on Gospel of John—Tuesday noon; "Anglican Eucharist"—Thursday noon. Both events in Meditation Room, 158A SUB.

Lutheran Campus Ministry

Sunday Worship with Eucharist - 10:30 a.m., Meditation Room.

"Thursday Evening Worship" - 7:30 p.m., Lutheran Student Centre, 11122 86 Avenue.
"Noon Hour Bible Study" - Wednesdays at noon, Meditation Room.

Faith Share

Mondays, 7 to 9 p.m. Group singing, sharing, teachings and discussions. All welcome. Contact Kim at 436-6346 or Curt at 433-9377 for further information. St. Joseph's Chapel.

Theatre

SUB Theatre

Happenings

12 April, 7 p.m. The Edmonton Women's Shelter presents the Variety Show "Parade of Stars." For more information, call 478-6635.

18 April, 8 p.m. "Nik Kershaw" in concert. Tickets available at BASS outlets.

Films

13 and 14 April, 8 p.m. "Purple Rain" (1984).

Non-Credit Courses

Computing Services

MTS (Michigan Terminal System)

MTS and Editor Fundamentals (Prerequisite)
AJ510 Operation and Visual Editing (Prerequisite)
MTS Overview (Prerequisite)

TEXTFORM

Introduction to Text Formatting (Prerequisite)

SPIRES

Introduction to SPIRES (Prerequisite)
Advanced SPIRES

Graphics

Integrated Graphics Overview (IG)

Statistics

Data Preparation for Statistical Packages (Prerequisite)
Introduction to SPSSx
Introduction to MIDAS

Microcomputers

Introduction to the IBM PC
Introduction to the Personal Editor
Introduction to MultiMate
Advanced MultiMate
Introduction to Microcomputers
Introduction to MicroSoft FORTRAN
Introduction to Macintosh
The above courses are offered regularly through the day with limited evening selections. Registration will be taken over the phone for all courses except evening courses. These may be made in person at 352 General Services Building, or by mail. Payment must accompany registration for all evening courses. Please make cheques payable to the University of Alberta.

Waiting List Courses

The following courses are only offered when a sufficient number of people express an interest.
Advanced Text Formatting
Introduction to Plotting
Introduction to Programming
Introduction to Typesetting
Introduction to APL

Introduction to Tell-A-Graf
Introduction to BMDP
Introduction to MINITAB
Introduction to TROLL

For more information on any of the courses listed above, telephone the Training Coordinator at 432-2511, between 8 a.m. and 4 p.m., weekdays.

Faculty of Extension

Certificate Programmes

For further information on the programmes listed below, telephone 432-5545 or 432-3027 between 8:30 a.m. and 4:30 p.m., Monday to Friday.
Management Development
Personnel Administration
Computers and Business Data Processing
Industrial Security Management
Purchasing Management Development
Applied Land Use Planning Certificate Programme
Public Administration Certificate (432-5052)

Citation Programme

For further information on the following programmes, telephone the number(s) listed behind the course.

Executive Development Programme for Women (432-5545 or 432-3027)
Supervisory Development Programme (432-5066)

Land Use Planning Studies

For further information on the following courses, telephone 432-2912.
Plans and Processes
Survey and Analysis (Field Trip)

Industrial Courses

For further information on the course listed below, telephone 432-2912.
Maintenance Management

PLATO Learning Centre

"Computer-Taught" courses can be taken any time at your convenience. For further information on this unique way of learning, telephone 432-2444.
Introduction—Keyboarding, Word Processing
Excellence in Administrative Assistant/Secretarial Work
Introduction—Computers, Data Processing
Introduction to Programming—BASIC, PASCAL, FORTRAN
Time—Resource, Financial or Planning Management

Business and Professional

For further information on the courses listed below, call 432-5066. University employees are eligible for a 25% discount on any courses/seminars listed under this section.
Conflict Management, Mediation and Resolution
Time Management for Executive Secretaries and Administrative Assistants
Advanced Management and Leadership Skills and Techniques

Real Estate

For further information on the Winter/Spring course offerings, telephone 432-5060.
Selling Your Own Home: With or Without a Real Estate Agent
Apartment Rental Techniques

Applied Behavioral Sciences Division

For further information on courses listed below, telephone 432-5069.
Adventures in Attitudes
Strategies for Managing Stress

Conducting Need Assessments—An Introduction
The Manager and Leadership
Tools for Teachers in Developing Positive Self-Concepts in Students

Liberal Studies

For further information on the courses listed below, telephone 432-3033.
Introduction to Microcomputers for Laypersons
Introduction to Italian Wines
Great Grapes!
Recycling European History
Plants Used by Native Peoples of Alberta

English Language Program

For information regarding 40-hour evening English as a second language (classes begin 15 and 16 April), call 432-3036 or 432-2497. 100-hour Intensive Day classes will start 22 April.

Devonian Botanic Garden

For a detailed brochure and registration form, telephone 987-3054.
Dried Flower Arranging
Creating Sachets with Fiber Arts—Tatting, Trápunto, Candlewicking and Tie-Dying
Glasshouses, Terrariums and Planters
Wildflowers of Alberta

Notices

Campus Reviews

As part of the process of carrying out systematic reviews under the guidance of the President's Advisory Committee on Campus Reviews (PACCR), the *Vehicle Pool Division of Physical Plant* is completing the self-study phase of the review process. The other major phase of the process is the site visit and assessment by the Unit Review Committee. In preparation for this second phase, PACCR invites written comment prior to 30 April 1985.

Submissions are for the use of the Unit Review Committee and will be held in confidence by the members of that committee. Submissions should be sent to: Mrs. L. Pearson, PACCR Office, W4-13 Chemistry Building, Attention: The Vehicle Pool Unit Review Committee.

Alberta Book Fair

Alberta's second Book Fair will take place at the Edmonton Convention Centre Sunday, 14 April, from 11 a.m. to 5 p.m.

The Book Fair will officially open at noon, with Honorary Chairman Rudy Wiebe, Department of English, acting as Master of Ceremonies.

Among the exhibitors at the Fair are the University Press, Publication Services in the Faculty of Education, the Canadian Institute of Ukrainian Studies and the Boreal Institute for Northern Studies.

The Blue Pencil Cafe, a hit with fair-goers last year, will again be in operation between 2 and 4 p.m. Members of the public are invited to bring in short passages of their own writing (preferably double-spaced and typed) for comment by established Alberta writers in the genres of fiction, non-fiction, poetry, drama and children's literature.

Germanic Languages Hosting Retirement Party for Alison Scott-Prelorentzos

Alison Scott-Prelorentzos, Professor of German, has decided to go into early retirement on 31 Au-

gust 1985. The Department of Germanic Languages is organizing a wine-and-chesse party in her honor on Tuesday, 30 April, from 3:30 to 5:30 p.m. at University House. All her former and present colleagues and their spouses are cordially invited to attend this party.

Those who intend to come are asked to inform Laura Lederer, Administrative Assistant, Department of Germanic Languages, 206 Arts Building (432-4144) by Tuesday, 23 April, at the very latest and include a cheque in the amount of \$6 per person, made out to: Dr. G. Marahrens, Chairman, Department of Germanic Languages.

George Ford to Retire

George Ford (P.Eng.), Professor of Mechanical Engineering and former Chairman and Dean, is retiring in 1985 after more than 40 years with the University of Alberta.

A dinner is being held in his honor in the main dining room of the Faculty Club at 6:30 p.m. on 1 May. Anyone wishing to attend this dinner is asked to contact the Department of Mechanical Engineering, 432-3598.

IDRC Project Officer to Visit

Dean Neilson, Project Officer with IDRC, Singapore, will be on campus 24 April. Those wishing to meet Mr. Neilson should contact the International Briefing Centre, 432-2958.

Skating Party

An Old Time Skating Party will take place in the Ice Arena this Sunday (14 April) at 2:30 p.m.

Music for the family-styled affair will be provided by the University Concert Band conducted by Frank Dunnigan.

There is no admission charge.

Scholarships, Fellowships and Awards

Canadian Society of Exploration Geophysicists Trust Fund Scholarships

Donor: Canadian Society of Exploration Geophysicists Trust Fund. *Where tenable:* Canada or abroad. *Level:* Graduate or undergraduate. *Field:* Geophysics. *Value:* Variable (\$1,250 was maximum given in 1984.) *Number:* Unspecified. *Conditions:* Candidate must be pursuing a course of studies directed toward a career in exploration geophysics in industry, teaching or research; must be in need of financial assistance; normally awards will not be made to students who hold other substantial scholarships. *Closing date:* 31 May 1985. *Further information and application forms should be requested from:* Student Awards Office, 252 Athabasca Hall, or Scholarship Committee, Canadian Society of Exploration Geophysicists Trust Fund, 229 640 5th Avenue S.W., Calgary, Alberta T2P 0M6.

The Queen Elizabeth Scholarships in Canadian Studies

Donor: The Province of Alberta in recognition of the visit paid to the Province in 1978 by Queen Elizabeth. *Value:* \$1,000. *Number:* 10. *Conditions:* Awarded annually to outstanding students entering their final year of any program with a major em-

phasis on Canadian society and culture, provided their academic records are otherwise satisfactory in the year of the award. Selection is based on the number of Canadian-content courses (minimum of 3 fce) and on the grade-point average in Canadian content courses, at least two of which must be in the applicant's area of specialization. *Closing date:* 30 April 1985. *Further information and application forms should be requested from:* The Canadian Studies Office, 306 Arts Building, University of Alberta, Edmonton, Alberta T6G 2E6.

Positions Vacant

The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Administrative Officer, Department of Physics

Applications are invited for the position of Administrative Officer, Department of Physics. The Department of Physics is a large teaching and research department in the Faculty of Science.

Duties include full budget responsibilities (operating, capital and trust), personnel management, timetabling, student counselling and secretary to various Departmental committees.

This is an Administrative and Professional Officer position, reporting directly to the Chairman, with salary commensurate with qualifications and experience—minimum salary: \$34,425 per annum.

Applications, including a résumé and the names of 3 referees, should be sent to: Dr. G.L. Cumming, Chairman, Department of Physics, University of Alberta, 410 Physics Building, Edmonton, Alberta T6G 2J1.

Closing date for receipt of applications is 19 April 1985.

Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 4 April 1985. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Positions available as of 4 April 1985.

Clerk (Split Funded) (\$1,082-\$1,338) Surgical-Medical Research Institute
Clerk Typist II (\$1,161-\$1,442) Student Awards
Clerk Typist II (Term to Nov./85) (\$1,161-\$1,442) Faculté Saint-Jean
Clerk Steno II (Trust) (\$1,161-\$1,442) Extension—Legal Resource Centre.
Clerk Steno II (Part-Time/Trust) (\$8.20/hr.) Cancer Research Group
Clerk Steno III (\$1,294-\$1,625) Geography
Clerk Steno III (\$1,294-\$1,625) Boreal Institute for Northern Studies
Clerk Steno III (\$1,294-\$1,625) Computing Science
Clerk Typist III (\$1,294-\$1,625) Political Science
Secretary (\$1,442-\$1,842) Dean of Engineering
Departmental/Executive Secretary (\$1,625-\$2,092) Applied Sciences in Medicine
Departmental/Executive Secretary (\$1,625-\$2,092) Music
Departmental/Executive Secretary (\$1,625-\$2,092) Sociology

Library Assistant III (Trust) (\$1,697-\$2,182)
 Extension—Legal Resource Centre
 Technical Assistant (\$1,294-\$1,625) Technical
 Services—Photo Services
 Distribution Clerk (\$1,497-\$1,920) Scheduled Dis-
 tribution
 Technician I (Trust/Term) (\$1,497-\$1,920) Me-
 chanical Engineering
 Vehicle Operator (\$1,497-\$1,920) Dispatch Dis-
 tribution
 Building Services Worker IV (\$1,561-\$2,003) Phy-
 sical Plant
 Computer Operator (\$1,561-\$2,003) Office of Ad-
 ministrative Systems
 Electron Microscope Technician II
 (\$1,697-\$2,182) Zoology
 Technologist I (Trust) (\$1,697-\$2,182) Foods and
 Nutrition
 Art Technician Demonstrator I (Part-Time)
 (\$883-\$1,140) Art and Design
 Administrative Assistant I (\$1,842-\$2,378) Faculty
 of Extension
 Programmer Analyst II (Trust) (\$2,182-\$2,834)
 Computing Science
 Biology Technologist III (\$2,182-\$2,834) Genetics
 Building Superintendent II (\$2,182-\$2,834) Phy-
 sical Plant

also serves as the deadline for cancellation of ad-
 vertisements. The cost of placing advertisements is
 30 cents per word with no discount for subsequent
 insertions. There is a maximum limit of 30 words
 and a minimum charge of \$1.50. Contributors' cor-
 rections will be assessed at \$1.50 for each line in
 which an insertion is made. Advertisements cannot
 be accepted over the telephone. All advertisements
 must be paid for in full at the time of their sub-
 mission.

Accommodations available

Sale - Calgary, two-storey house, Varsity Estate
 area NW, on golf course, 2,700', four bedrooms,
 three-car garage, fireplaces. \$220,000. Evenings,
 1-286-4043, 486-5415. Days, 1-284-6893,
 432-8882.
 Share - Beautiful, furnished townhouse. Quiet.
 \$300/month. 436-2950.
 Private sale - University, McKernan, two-storey,
 two bedrooms. Professionally renovated in cedar
 and brick with two skylights. Remodelled
 kitchen and bathrooms. 436-4738 after 6 p.m.
 Sale - Renovated, hillside, two-storey. Lovely Mill-
 creek Ravine lot. Patio doors, deck, fireplace.
 Bird lovers' paradise. \$119,900, offers? Call
 Joyce Byrne, 435-6064, 436-5250, Spencer's.
 Rent - Furnished, one-bedroom apartment, 18th
 floor river view, five appliances, pool, sauna. Half
 block from campus. 1 May-31 August.
 432-5494, 433-4136.
 Sale - Magnificent view from this four-bedroom,
 custom, hillside bungalow, overlooking river.
 Indoor swimming pool. Oversized, sprinklers,
 beautifully landscaped lot. Asking \$350,000.

Please call Beth Siegel, 482-3831, 455-4181.
 Royal LePage.

Rent - University Avenue, 10839. Beautifully fur-
 nished one-bedroom apartment. \$400. Caretaker
 #16.

Exchange - Manchester, England. Sabbatical vis-
 itor has four-bedroom house for exchange or
 rent. July/August 1985-August 1986. 432-2522,
 462-0835.

Sale - Norfolk on Whyte, one owner, two-bedroom
 condominium, close to University. \$69,000, in-
 cluding appliances. Quiet, west exposure. Mature
 building. Large reserve fund. Kenneth Colpitts,
 Spencer Real Estate, 988-5771, 436-5250.

Rent - Unfurnished, three-bedroom townhouse.
 Five appliances, fireplace, patio, deck, fenced. 1
 June. 433-9911.

Rent - Old Strathcona. Two bedrooms, top floor of
 house, private entrance, fully carpeted. Available
 1 May, \$375. 987-2738 evenings.

For rent - Garneau area. Furnished, two-bedroom
 condo. May-September. Five appliances, fully
 carpeted, underground parking, air conditioned.
 All utilities except phone. \$600 per month. Call
 439-7522 or 1-349-3169 (collect).

Rent - Four bedroom, fully furnished home. Near
 West Edmonton Mall. \$750/month plus utilities.
 July 1985-August 1986. 484-9166.

Rent - Parkallen. Completely furnished, three-
 bedroom house, yard, garage. May 1985-May
 1986. \$600/month plus utilities. 434-4378.

For rent - Fully furnished bungalow on south side
 for July and August (or any part thereof). Non-
 smokers. Good access to University. 433-3924
 (work), 437-6797 (evenings).

Rent - University area. Furnished, one/two bed-
 room, basement apartment in quiet home.
 \$350/\$400 month. \$100 damage deposit. In-
 cludes all utilities, parking. Available 1 June.
 438-0203.

Sale - Belgravia. Open House. 7427 119 St. Sun-
 day, 2-4 p.m. 14 April. New listing. Three-
 bedroom bungalow. Family kitchen. Wood-
 burning fireplace. Large lot. Please call Chris
 Tenove, 433-5664, 436-5250, Spencer's.

Sale - Parkallen. New listing. Four-bedroom, two-
 storey. Fully developed, three-bedroom suite if
 desired. Home or revenue. Walk to University.
 Chris Tenove, 433-5664, 436-5250, Spencer's.

Sale - Riverbend. Essex. Only \$76,900. All ameni-

Advertisements

Advertisements must reach the Editor by 3 p.m. on
 the Thursday prior to publication date which date

Invest in yourself

Invest in a faculty development workshop today.

Teleconferencing Explore the latest
 teleconferencing techniques. May 2, 9-4:30 p.m.,
 \$65.

Interpersonal Communications Solve those
 frustrating communication hassles. May 7,
 9-4 p.m., and May 8, 9-Noon, \$50.

Voice and Presence in Teaching Improve your
 presentations. May 16, 9-4 p.m., \$40.

Dealing With Anger Handle anger wisely.
 May 15, 9-4 p.m., \$40.

Writing: Getting Starting, Keeping Going
 Write for radio, TV, stage or print. May 28,
 9:30-5:30 p.m., \$65.

Edmonton Convention Centre, 9797 Jasper Ave.
 Lunch included.

Call 462-5521 to register today.



**Grant MacEwan
 Community College**

DO YOU HAVE SUGGESTIONS FOR ALBERTA UNIVERSITIES?

You are invited to participate in a meeting of the Minister's Advisory
 Committee on University Affairs, chaired by Dr. Terry Moore, to be held on

TUESDAY, APRIL 30
10:30 a.m. to 12:00 noon
2:00 p.m. to 4:30 p.m.
Room 3-15, University Hall
The University of Alberta
Edmonton

WEDNESDAY, MAY 1
2:00 p.m. to 5:00 p.m.
Northcote Suite
Four Seasons Hotel
10235-101 Street
Edmonton

The Advisory Committee on University Affairs is made up of citizen
 volunteers representing all areas of the province. Its purpose is to solicit the
 views of the public on matters affecting Alberta's universities and to pass
 them immediately and directly to the Minister of Alberta Advanced
 Education.

All interested persons are invited to attend. Groups and individuals wishing
 to speak with the Committee, or make written presentations should contact

Dr. Gail Babcock
 Executive Secretary
 6th Floor, East Tower
 Devonian Building
 11160 Jasper Avenue
 EDMONTON, Alberta T5K 0L1
 Phone 427-0313 (call collect)

Alberta
 ADVANCED EDUCATION

ties. Call Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - University-Claridge House. Best buy. Appliances. All amenities. Call Chris Tenove, 433-5664, 436-5250. Spencer's.

Accommodations wanted

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